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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/692,144	10/23/2003	John Justin Duigenan	GB920020097US1	9184
35525 7590 07/31/2007				
IBM CORP (YA) C/O YEE & ASSOCIATES PC P.O. BOX 802333 DALLAS, TX 75380			EXAMINER TAYLOR, NICHOLAS R	
			ART UNIT 2141	PAPER NUMBER
			MAIL DATE 07/31/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Interview Summary	Application No. 10/692,144	Applicant(s) DUIGENAN ET AL.	
	Examiner Nicholas R. Taylor	Art Unit 2141	

All participants (applicant, applicant's representative, PTO personnel):

(1) Nicholas R. Taylor.

(3) Houda El-Jarrah Reg. No. 60006.

(2) Quang Nguyen.

(4) _____.

Date of Interview: 24 July 2007.

Type: a) ☒ Telephonic b) ☐ Video Conference
c) ☐ Personal [copy given to: 1) ☐ applicant 2) ☐ applicant's representative]

Exhibit shown or demonstration conducted: d) ☐ Yes e) ☒ No.
If Yes, brief description: _____.

Claim(s) discussed: All.

Identification of prior art discussed: Omoigui & Mane.

Agreement with respect to the claims f) ☒ was reached. g) ☐ was not reached. h) ☐ N/A.

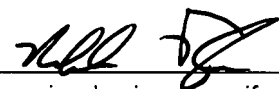
Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: Discussed potential claim amendments and current 101 rejection. See attached form PTOL-413.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.


JASON CARDONE
SUPERVISORY PATENT EXAMINER

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.


Examiner's signature, if required

PTOL-413A (09-04)

Approved for use through 07/31/2006. OMB 0851-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Applicant Initiated Interview Request Form

Application No: 10/692,144 First Named Applicant: John Justin Duignan
 Examiner: Nicholas Taylor Art Unit: 2141 Status of Application: 1e-0A

Tentative Participants:
 (1) Houda El-Jarrah (2) Mar Stewart
 (3) _____ (4) _____

Proposed Date of Interview: July 24, 2007 Proposed Time: 2:00 PM (AM/PM)

Type of Interview Requested:
 (1) ☒ Telephonic (2) ☐ Personal (3) ☐ Video Conference

Exhibit To Be Shown or Demonstrated: ☐ YES ☒ NO
 If yes, provide brief description: _____

Issues To Be Discussed

Issues (Rej., Obj., etc)	Claims/ Fig. #s	Prior Art	Discussed	Agreed	Not Agreed
(1) <u>101</u>	<u>1, 4, 5, 6, 7</u>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(2) <u>103</u>	<u>4</u>	<u>omolgu, mane</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(3) _____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(4) _____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Continuation Sheet Attached

Brief Description of Arguments to be Presented:

See Enclosed Agenda

An interview was conducted on the above-identified application on _____

NOTE: This form should be completed by applicant and submitted to the examiner in advance of the interview (see MPEP § 713.01).

This application will not be delayed from issue because of applicant's failure to submit a written record of this interview. Therefore, applicant is advised to file a statement of the substance of this interview (37 CFR 1.133(b)) as soon as possible.

Applicant/Applicant's Representative Signature

Examiner/SPE Signature

Typed/Printed Name of Applicant or Representative

Registration Number, if applicable

This collection of information is required by 37 CFR 1.133. The information is required to obtain or retain a benefit by the public which is to file (and) by the USPTO to process an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.13 and 1.14. This collection is estimated to take 20 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Duigenan et al.

§ Group Art Unit: 2141

Serial No.: 10/692,144

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Examiner: Taylor, Nicholas R.

Filed: October 23, 2003

Attorney Docket No.: GB920020097US1

For: Publish/Subscribe Messaging System

AGENDA FOR TELEPHONE INTERVIEW

We have an interview scheduled for *Tuesday July 24, 2007 at 2 pm Eastern*. Please consider the following for discussion:

I. § 101 Proposed Amendment:

1. (Currently Amended) An apparatus ~~A message broker~~ for managing subscription requests in a multicast messaging system comprising a plurality of publishers publishing information to the broker and a plurality of subscribers subscribing to information received from one or more publishers, the apparatus broker comprising:

means for a computer, wherein the computer comprises:

a matching engine, wherein the matching engine receives ~~receiving~~ a subscription request pointing to topic information in which the requesting subscriber is interested, the topic information defining a specific topic within a topic hierarchy, ~~means for parsing~~ parses said request to determine if said request includes a wildcard, and ~~means~~, responsive to determining that said request does include a wildcard, instructs ~~for instructing~~ the requesting subscriber to listen on a multicast address associated with the topic in the topic hierarchy which precedes said wildcard. [page 25, abstract]

4. (Currently Amended) A computer implemented method for managing subscription requests in a multicast messaging system, the messaging system comprising a plurality of publishers publishing information to a broker and a plurality of subscribers subscribing to information received from one or more publishers, the method comprising the steps of:

receiving a subscription request pointing to topic information in which the requesting subscriber is interested, the topic information defining a specific topic within a topic hierarchy;

parsing said request to determine if said request includes a wildcard whereby a topic string received as a subscription request is parsed into a prefix and a remainder whereby the prefix constitutes everything up to and not including a wildcard; and [page 16, lines 10-16]

locating the node in the topic tree defined by the prefix wherein the node represents the topic immediately preceding the wildcard; and [page 16, lines 18-24]

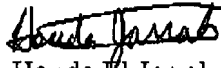
~~responsive to determining that said request does include a wildcard, for instructing the requesting subscriber to listen on a multicast address associated with the topic in the topic hierarchy which precedes said wildcard by associating the subscriber with the node in the topic tree which is defined by the prefix.~~
[page 16, lines 10-16]

5. (Currently Amended) The computer implemented method of claim 4 comprising:
assigning the multicast address to said preceding topic. [page 7, line 1-5]
6. (Original) The computer implemented method of claim 5 wherein the multicast address for the preceding topic is inherited from parent topic information. [page 7, line 1-5]
7. (Currently Amended) A computer program on a computer readable medium for managing subscription requests in a multicast messaging system, the messaging system comprising a plurality of publishers publishing information to a broker and a plurality of subscribers subscribing to information received from one or more publishers, the computer program comprising program code means adapted to perform, ~~when said program is run on a computer~~, the steps of:
receiving a subscription request pointing to topic information in which the requesting subscriber is interested, the topic information defining a specific topic within a topic hierarchy;
parsing said request to determine if said request includes a wildcard; and
responsive to determining that said request does include a wildcard, for instructing the requesting subscriber to listen on a multicast address associated with the topic in the topic hierarchy which precedes said wildcard.

II §103 Objection

1. Neither Mane nor Onoigui teaches instructing the subscriber to listen on an associated multicast address associated with the topic in the topic hierarchy which proceeds a wildcard.

[Office Action, page 4]


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